

## **HIGH CONCRETE ACCESSORIES**

**GROUTED CONNECTION TUBE:** The Grouted Connection Tube facilitates a connection between precast products or from precast products to poured-in-place concrete. The use of this product allows for a clean hidden connection. It is an engineered product that eliminates costly shop prep time. It provides a strong connection to transfer shear and tension forces. The innovative nailing flange allows for quick installation during production. The product replaces costly, labor intensive welded connections, which are aesthetically unattractive. The product was first used at High Concrete Structures, a precast concrete manufacturer, in the early 90's.

**SWIFT LIFT COVER:** The Swift Lift Cover is a plastic cover that installs on a precast lifting anchor called a Swift Lift Anchor. The cap is used to replace the traditional grouted patch that is used to fill in the void left by the lifting device. The problems with a grouted patch are that the colors normally do not match, and the grout is subject to the freeze/thaw cycle. Many grouted patches over time weather and fall out. The Swift Lift Cover saves time due to the mechanical connection to the lifting device. The caps can be custom color matched and are resistant to the freeze/thaw cycle and the sun's UV rays. The product was first used at High Concrete Structures, a precast concrete manufacturer, in the early 90's.

**SPANDREL TO COLUMN CONNECTOR SLEEVE AND CLOSURE CAP:** The Spandrel to Column Connector Sleeve facilitates a through-bolted connection between spandrels and columns. This product provides a cavity that can be used to receive an all-thread rod. The rod is attached to a precast spandrel and is fed through the tapered cavity. The all-thread is received at the other end and it is bolted tight. This product greatly improves the way in which a precast producer can attach exterior spandrels to a precast column. It is much less labor intensive to install in the precast plant and used to erect in the field than other alternatives. Other alternatives would be to cast a corrugated steel sleeve into the column. The problem with this is it requires a larger unattractive pocket in the column and the sleeve must be custom fit in the form. The Spandrel to Column Connector Sleeve also comes with a tight fitting closure cap. The cap eliminates the need to grout the pocket in the field. The caps can be custom color matched and are resistant to the freeze/thaw cycle and the sun's UV rays. The product was first used at High Concrete Structures, a precast concrete manufacturer, in the early 90's.

**DOUBLE TEE STEM BLOCKOUT:** The Double Tee Stem provides through openings in precast double tee stems for electrical and other utility lines to pass through. The Double Tee Stem Blockout is quickly and easily installed in the precast double tee form. This plastic embedment product eliminates the need for labor intensive alternatives such as wood or Styrofoam. The Double Tee Stem Blockout is cast into the piece and does not need to be removed. Other alternatives need to be removed and disposed of, wasting material and time. The product was first used at High Concrete Structures, a precast concrete manufacturer, in the early 90's.

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**Spandrel to Column Connector Sleeve and Closure Cap**

3-1/2" DIA. SPANDREL TO COLUMN CONNECTION SLEEVE (1-1/4" X 2" RECTANG. SLOT) SHIPPED WITH A LENGTH OF 20" AND CAP BE CUT TO A FINISHED LENGTH OF 15-1/2"

1" DIA. INSERT CAST INTO SPANDREL (CAP BE SLOTS)

1" DIA. ALL-THREADED W/ NUT WASHER, LOCK WASHER, & HEX NUT

U.S. Patent No. 5,386,675  
Canadian Patent Pending

**Double Tee Stem Blockout**

DOUBLE TEE STEM BLOCKOUT FORMS OPENING 3" X 3-3/4" THROUGH STEM

U.S. Patent No. 5,245,806  
Canadian Patent Pending

**Making All the Right Connections.**

**Grouted Connection Tube**

MINIMUM 1"

PRECAST WALL PANELS TOP AND BOTTOM

1/2" THREADED DOWEL SPLICE X 2'-0" LONG

1/2" THREADED DOWEL IN X 1'-9" LONG

3" DIA. X 2'-0" LONG GROUTED CONNECTION TUBE—FILL WITH PORTLAND CEMENT GROUT (SHOW PSI MAXIMUM) AT TIME OF ERECTION

U.S. Patent No. 5,134,828  
Canadian Patent Pending

**Swift-Lift Cover**

SWIFT-LIFT ANCHOR

SWIFT-LIFT COVER

PRECAST PANEL

Swift-Lift is a trademark of Dayton Superior Corporation, Miamisburg, Ohio



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